Copy for the Elected Office (EO/US) PATENT COOPERATION TREATY

PCT	From the INTERNATIONAL BUREAU To:
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422)	MUSKER, David, Charles R.G.C. Jenkins & Co. 26 Caxton Street London SW1H 0RJ ROYAUME-UNI
Date of mailing (day/month/year) 09 July 2001 (09.07.01)	
Applicant's or agent's file reference J00041084WO	IMPORTANT NOTIFICATION
International application No. PCT/GB00/00591	International filing date (day/month/year) 18 February 2000 (18.02.00)
The following indications appeared on record concerning: The applicant the inventor	the agent the common representative State of Nationality State of Residence
Name and Address ICO SERVICES LIMITED 1 Queen Caroline Street London W6 9BN United Kingdom	GB GB Telephone No. Facsimile No.
	Teleprinter No.
The International Bureau hereby notifies the applicant that the the person	
Name and Address ICO SERVICES LIMITED Symphony House High Street Cowley	State of Nationality State of Residence GB GB Telephone No.
Cowley Business Park Uxbridge Middlesex UB8 2AD	Facsimile No.
United Kingdom	Teleprinter No.
3. Further observations, if necessary:	
4. A copy of this notification has been sent to:	
X the receiving Office the International Searching Authority the International Preliminary Examining Authority	the designated Offices concerned X the elected Offices concerned other:
	Authorized officer
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Christine Carrié
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREAT

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner

US Department of Commerce

United States Patent and Trademark

in its capacity as elected Office

Office, PCT

2011 South Clark Place Room 524

Arlington, VA 22202

ETATS-UNIS D'AMERIQUE

ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 27 October 2000 (27.10.00)

International application No.

PCT/GB00/00591

Applicant's or agent's file reference

J00041084WO

International filing date (day/month/year)

18 February 2000 (18.02.00)

Priority date (day/month/year)

18 February 1999 (18.02.99)

Applicant

WYRWAS, Richard

1	. The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	15 September 2000 (15.09.00)
	in a notice effecting later election filed with the International Bureau on:
2	2. The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

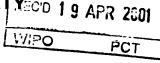
Authorized officer

Juan Cruz

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
J000410	84WO		
	al application No.	International filing date (day/mont	·
PCT/GB	00/00591	18/02/2000	18/02/1999
Internation H04B7/1		r national classification and IPC	
Applicant			
ICO SEF	RVICES LIMITED et al.		
1. This i	nternational preliminary ex s transmitted to the applica	amination report has been prepare nt according to Article 36.	d by this International Preliminary Examining Authority
2. This	REPORT consists of a total	l of 4 sheets, including this cover s	sheet.
b (:	een amended and are the see Rule 70.16 and Section	basis for this report and/or sheets on 607 of the Administrative Instruct	he description, claims and/or drawings which have containing rectifications made before this Authority ions under the PCT).
Thes	e annexes consist of a tota	l of 2 sheets.	
3 This :	report contains indications i	relating to the following items:	
\ '	☐ Priority		
111	•	of opinion with regard to novelty, in	ventive step and industrial applicability
IV	☐ Lack of unity of inve		
V	⊠ Reasoned statement		novelty, inventive step or industrial applicability;
VI	☐ Certain documents		
VII	☐ Certain defects in th	e international application	
VIII		s on the international application	
Date of sub	omission of the demand	Date of	f completion of this report
15/09/20	00	17.04.2	2001
	mailing address of the internati examining authority:	ional Authori	ized officer
<u>a)</u>)	European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523	Kolbe	, W
	Fax: +49 89 2399 - 4465	· ·	one No. +49 89 2399 8479

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB00/00591

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1.	the and	receiving Office in	nents of the international applic response to an invitation under a to this report since they do not co	Article 14 are	referred to in this repo	ort as "originally filed"
	1-2	0	as originally filed			
	21		as received on	15/02/2001	with letter of	14/02/2001
	Cla	ims, No.:				
	1-8		as originally filed			
	9-1	1	as received on	15/02/2001	with letter of	14/02/2001
	Dra	wings, sheets:				
	1/9-	9/9	as originally filed			
2	\A/i+l	o regard to the land	uage, all the elements marked	ahove were a	vailable or furnished to	o this Authority in the
۷.			nternational application was file			
	The	se elements were a	available or furnished to this Aut	hority in the fo	ollowing language: , v	which is:
		the language of a	translation furnished for the purp	ooses of the ir	nternational search (ur	nder Rule 23.1(b)).
		the language of pu	blication of the international app	olication (unde	er Rule 48.3(b)).	
		the language of a 55.2 and/or 55.3).	translation furnished for the pur	ooses of interi	national preliminary ex	amination (under Rule
3.			leotide and/or amino acid seq y examination was carried out o			application, the
		contained in the in	ternational application in written	form.		
		filed together with	the international application in c	omputer read	able form.	
		furnished subsequ	ently to this Authority in written	form.		
		furnished subsequ	ently to this Authority in comput	er readable fo	orm.	
			t the subsequently furnished wri		e listing does not go be	eyond the disclosure in
		The statement that listing has been fu	t the information recorded in cor rnished.	nputer readat	ole form is identical to	the written sequence

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/GB00/00591

4.	The	amendments have re	sulted in t	he cance	llation of:
		the description,	pages:		
		the claims,	Nos.:		
		the drawings,	sheets:		
5.					ome of) the amendments had not been made, since they have been as filed (Rule 70.2(c)):
		(Any replacement shoreport.)	eet contail	ning such	amendments must be referred to under item 1 and annexed to this
6.	Add	itional observations, if	necessar	y:	
٧.		soned statement un tions and explanatio			ith regard to novelty, inventive step or industrial applicability;
1.	Stat	ement			
	Nov	relty (N)	Yes: No:	Claims Claims	1-11
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-11
	Indu	ıstrial applicability (IA)	Yes: No:	Claims Claims	1-11

2. Citations and explanations see separate sheet

INTERNATIONAL PRELIMINARY

International application No. PCT/GB00/00591

EXAMINATION REPORT - SEPARATE SHEET

Re Item I

Basis of the report

Original claim 9 has been deleted. Original claims 10 to 12 have been clarified and renumbered accordingly.

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- The invention relates to the problem of mitigating interference in satellite mobile 1. communications systems
- This problem is solved by determining which of a first beam of a first satellite and 2. a second beam of a second satellite in an area of multiple coverage on Earth is subject to interference at an interference frequency and, as a result of this determination of interference, controlling the communications on the more peripheral of the beams to limit the reception on the interference frequency.
- WO 9631016 (identified on page 3) is considered to be the closest prior art. This 3. document discloses a method of preventing interference by predicting the zone where the interference will occur and inhibiting transmission into that zone. However, this document does not disclose nor suggest a control of the more peripheral beam of overlapping beams.

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference J00041084W0	FOR FURTHER see Notification of (Form PCT/ISA/2	of Transmittal of International Search Report 120) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 00/00591	18/02/2000	18/02/1999
Applicant ICO SERVICES LIMITED et a	1.	
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	report.
Basis of the report Alith mount to the lenguese, the	international search was carried out on the ba	sic of the international application in the
	less otherwise indicated under this item.	ss of the international application in the
the international search w Authority (Rule 23.1(b)).	ras carried out on the basis of a translation of t	he international application furnished to this
b. With regard to any nucleotide an was carried out on the basis of the	nd/or amino acid sequence disclosed in the in e sequence listing: onal application in written form.	nternational application, the international search
	emational application in computer readable for	n.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
the statement that the sul	bsequently furnished written sequence listing dualities is sided has been furnished.	loes not go beyond the disclosure in the
i <u> </u>		s identical to the written sequence listing has been
2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
4. With regard to the title,		
the text is approved as su	ubmitted by the applicant.	
the text has been establis	shed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as su	ubmitted by the applicant.	
	shed, according to Rule 38.2(b), by this Authorication of mailing of this international search rep	
6. The figure of the drawings to be pub	lished with the abstract is Figure No.	<u>x</u>
as suggested by the appl	icant.	None of the figures.
X because the applicant fail	led to suggest a figure.	·
because this figure better	characterizes the invention.	

A. CLASSI IPC 7	FICATION OF SUBJECT MATTER H04B7/185 H04B7/204		
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC	
	SEARCHED		
Minimum do	ocumentation searched (classification system followed by classification	on symbols)	
IPC 7	H04B		
Documentat	tion searched other than minimum documentation to the extent that s	such documents are included in the fields so	earched
Electronic d	ata base consulted during the international search (name of data ba	se and, where practical, search terms used	<u> </u>
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.
A	US 5 736 959 A (PATTERSON DAVID F AL) 7 April 1998 (1998-04-07) abstract	PALMER ET	1,7-11
	column 6, line 9-24 column 13, line 60 -column 14, li column 34, line 51-64 claims	ine 7	
A	EP 0 858 176 A (ICO SERVICES LTD) 12 August 1998 (1998-08-12) cited in the application abstract)	1-4,9-12
	column 1, line 33 -column 2, line column 5, line 35 -column 6, line claims		
	· .	-/	
X Furt	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.
° Special ca	ategories of cited documents:	"T" later document published after the inte	emational filing date
consid	ent defining the general state of the art which is not dered to be of particular relevance	or priority date and not in conflict with cited to understand the principle or th invention	eory underlying the
"L" docume	ent which may throw doubts on priority claim(s) or	"X" document of particular relevance; the cannot be considered novel or canno involve an inventive step when the do	t be considered to ocument is taken alone
citatio	is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the cannot be considered to involve an indocument is combined with one or more than the combined with t	ventive step when the ore other such docu-
P docum	means ent published prior to the international filing date but han the priority date claimed	ments, such combination being obvious in the art. "&" document member of the same patent	
Date of the	actual completion of the international search	Date of mailing of the international se	arch report
1	5 May 2000	23/05/2000	
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Dejonghe, O	

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I donal Application No
PCT/GB 00/00591

- 12		PCI/GB 00/0	
ategory °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	l D.	sievant to claim No.
Jaiogory	Ontain or Goodingth, with indication, whose appropriate, or the relevant passages		TOTAL TO GAIN NO.
A	US 5 559 806 A (KURBY CHRISTOPHER N ET AL) 24 September 1996 (1996-09-24) abstract column 2, line 40-56 column 4, line 27 -column 5, line 6 column 6, line 14 -column 7, line 6 figures 1-3,6,7 claims		1,6-11

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			US	5740164 A	14-04-1998
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